

Date: Thu, 4 Feb 93 18:38:20 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #169
To: Info-Hams

Info-Hams Digest Thu, 4 Feb 93 Volume 93 : Issue 169

Today's Topics:

 30m qrp kit: comments?
 Allison Peacock -- KD4NNH/AG
 Daily Solar Geophysical Data Broadcast for 03 February
 Mail failure
 MFJ 1278 Rom upgrade time??
 No-codes
 QRP amplifier ?
Radio Havana Cuba Listener's Talk Back Machine in Canada 613 592 1401
 Some FT-530 Questions...
 Subscribe
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 Subscription
 U.S. QSLing
 What will 'X'Ah batteries really provide?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 4 Feb 93 13:56:58 GMT
From: gondor.sdsu.edu!newshub.sdsu.edu!usc!howland.reston.ans.net!spool.mu.edu!
olivea!sgigate!odin!chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: 30m qrp kit: comments?
To: info-hams@ucsd.edu

In article <1993Feb4.011833.15290@netcom.com>, mont@netcom.com (Mont Pierce)
writes:
|> In article <1993Feb3.113601.2666@ccsvax.sfasu.edu> f_speerjr@ccsvax.sfasu.edu

writes:

```
...stuff deleted...
```

```
|> I bought the QRP CW Tranceiver kit sold by A&A Engineering (714-952-2114)
|> for 20 meters. They have two versions, one for 20m and one for 30m, just
|> different parts for the tuning circuits. This one is directly out of the
|> 1992 ARRL Handbook, pages 30-26 to 30-32. The only difference was that
|> it comes with a rectangular S-meter instead of round.
```

| >

```
|> The kit was 100% complete, included cabinet and all parts. PCB boards
|> were well layed out and clearly marked for all components, was a breeze
|> to put together. Works great too. Only item I would had is a frequency
|> counter to accurately display the frequency. I understand they have a
|> kit for one that will nicely fit inside. (I guess you have to cut a hole
|> for the display).
```

 $| \rangle$

|> 73,

| > --

|> Mont Pierce

 \geq

```
|> +-----+
|> |   Ham Call: KM6WT           Internet:  mont@netcom.com   |
|> |       bands: 80/40/20/2    IBM vnet:  mont@vnet.ibm.com  |
|> |       modes: cw,ssb,fm     |
|> |       qth: Fremont, CA      Religion:  Jehovah's Witnesses 9/72 |
|> +-----+
```

ditto on Mr. Pierce's remarks on the a&a 20 meter kit. i also have one for 40 mtrs, but i still like the OHR Spirit better.

one additional comment. the frequency counter referred to is no longer available from a&a. i called and they said they sold something like 50 of them in 4 or 5 years. in the 1993 ARRL Handbook, the circuit, etc. is in it and a mention of a&a, but the kit, boards, etc. are no longer available.

if anybody on this net, has a kit (unassembled) and/or boards, let me know first..... PLLLLEEEEEEEEEAAAAAAAASSSSSSSSSSSEEEEEEEEEEEEEEEEEEE!! :-)

73 es 72 de k5fo chuck

Date: Thu, 4 Feb 1993 09:35:51 GMT
From: agate!usenet.ins.cwru.edu!gatech!taco!csemail.cropsci.ncsu.edu!
samodena@ames.arpa
Subject: Allison Peacock -- KD4NNH/AG
To: info-hams@ucsd.edu

WARNING: This posting is in the nature of bragging rights

accruing to North Carolina

This evening we were giving RARS-VE license exams and Terry AB4VJ told me: that at an exam Durham, NC on 9 Jan. 93, he signed a CSCE for

Allison Peacock KD4NNH

giving her credit for passing 20 WPM
and upgrading her to GENERAL, since she had passed Element 3B previously.

Allison was born 4 June 1985. :^)

Rumor is: she will be studying the Advanced Theory now....I don't know, that's pretty tough stuff...I mean, when I signed her CSCE for 3B and she said was going to concentrate on the code, I thought she meant *13* WPM!!! So, who knows? Maybe she really is going to tackle the Advanced Theory and it isn't a rumor. Her Grandma told me that she had helped Allison "get the words down solid" for Element 3B....

Have you figured out her age yet? Allison is SEVEN (7) years old. And her first license was NOVICE, last April at age SIX.

Her dad is George K04MX (Extra), her grandfather is George W4WYV (Extra), and great-grandfather is James W4LWU (Advanced).

No, I'm not related to Allison: I'm just proud of her! I'm proud of every one of the youngsters that comes in and earns an Amateur Radio License.

73, Steve

— — —

In person:	Steve Modena	AB4EL
On phone:	(919) 515-5328	
At e-mail:	nmodena@unity.ncsu.edu	
	samodena@csemail.cropsci.ncsu.edu	
	[either email address is read each day]	
By snail:	Crop Sci Dept, Box 7620, NCSU, Raleigh, NC 27695	

[illegible]

Date: 4 Feb 93 20:49:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 03 February
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 034, 02/03/93
10.7 FLUX=137.0 90-AVG=135 SSN=096 BKI=0311 0223 BAI=006
BGND-XRAY=B5.2 FLU1=1.3E+06 FLU10=9.0E+03 PKI=2322 2233 PAI=009
BOU-DEV=004,031,009,008,004,010,018,039 DEV-AVG=015 NT SWF=00:000
XRAY-MAX= C8.8 @ 1504UT XRAY-MIN= B4.0 @ 0026UT XRAY-AVG= C1.1
NEUTN-MAX= +002% @ 1115UT NEUTN-MIN= -002% @ 2105UT NEUTN-AVG= +0.0%
PCA-MAX= +0.1DB @ 2335UT PCA-MIN= -0.3DB @ 0715UT PCA-AVG= -0.0DB
BOUTF-MAX=55412NT @ 2359UT BOUTF-MIN=55382NT @ 1953UT BOUTF-AVG=55404NT
GOES7-MAX=P:+115NT@ 1944UT GOES7-MIN=N:+007NT@ 2354UT G7-AVG=+084,+031,+011
GOES6-MAX=P:+127NT@ 1945UT GOES6-MIN=E:-008NT@ 1925UT G6-AVG=+093,+003,+041
FLUXFCST=STD:140,140,140;SESC:140,140,140 BAI/PAI-FCST=015,015,015/015,015,015
KFCST=3344 3322 3344 3322 27DAY-AP=016,009 27DAY-KP=2324 3443 3222 2233
WARNINGS=*SWF
ALERTS=
!!END-DATA!!

Date: 4 Feb 1993 19:18:12 GMT
From: ucsd.edu!brian@network.UCSD.EDU
Subject: Mail failure
To: info-hams@ucsd.edu

I sincerely hate Microsoft Mail.
- Brian

Date: Thu, 4 Feb 1993 19:48:58 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!sdd.hp.com!
hpscit.sc.hp.com!icon.rose.hp.com!cmoore@network.UCSD.EDU
Subject: MFJ 1278 Rom upgrade time??
To: info-hams@ucsd.edu

sorgatz (sorgatz@avatar.tti.com) wrote:
: (Various complaints about the software)

Yes, I've heard their software is terrible, so I didn't buy it. Do people who run other TNC's use software provided by those companies? I use a mixture of lan-link, turbolog or procomm, and some of my own software depending on what I'm doing. But from what I've seen the TNC seems to work with no problems. Anyone else have any comments?

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: Thu, 4 Feb 1993 13:43:13 GMT
From: pa.dec.com!engage.pko.dec.com!nnnpd.lkg.dec.com!nnnpd2.cxo.dec.com!
nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: No-codes
To: info-hams@ucsd.edu

I discovered something that is probably obvious, but I guess until you come across it face to face you can't really appreciate it. The fact of the matter is that being an OF is simply a question of state of mind.

This all came about when I ran in to this ham last weekend at a local hamfest. He happened to shout hello to a guy I knew from college and I asked him if it really was so-and-so. After a bit he starts in about how bad things are and that the bands have been trashed by those CBers, etc. I don't even remember what got him started. He proceeds to relate how some years back he was trying to work some DX station on 10 meters when someone down the street keys up with 4 KW right over him. And he made some other comments about repeater operations also indicating that things had gone to pot. All the while I'm thinking to myself, what is this guy's problem.

He was about my age and I'd never considered myself OF material due to disqualification on account of my age. But after 10-15 minutes of this lambasting amateur radio, how he hadn't been on the air in a while because it so disgusted him, and how he was going to let his license lapse in 1995, it was obvious this guy was a dyed in the wool OF. Nothing I said could convince him otherwise. His vast experience had proven that amateur radio was dead and not worth the time any more. The only reason he was going to this hamfest was because this one usually had a lot of computer stuff for sale.

When reading the articles in this news group about such poor operating habits and how bad this and that has gotten, I assumed either the person was an OF or perhaps conditions were different in other parts of the country. Here in the Chicago area, I don't hear all these infractions. I worked 10 meters nearly every day for 3-4 months a short while ago and never came across all this stuff these OF's complain about. I also listen in on the local repeaters to see what's what and never hear the invasion of the CBers. I hear some truckers on the repeaters, but then again some of the best ops I've come across have been truckers.

So I've come to the conclusion that OF is a state of mind and no amount of arguing is going to change that. How do you change what a person wants to believe? Probably the best thing to do is to handle them the same way you handling someone interfering on a repeater, ignore them. They'll either go away or after a while you won't even notice they're there.

73,
Todd
N9MWB

Date: Thu, 4 Feb 1993 01:59:21 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!
alanb@ames.arpa
Subject: QRP amplifier ?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, gary@ke4zv.uucp (Gary Coffman) writes:

>In article <1099@arrl.org> zlau@arrl.org (Zack Lau) writes:
>>

>>I know of one amateur, a true elmer, that refuses to let amateurs
>>who get his help use transformerless power supplies. He supplies
>>them with a transformer out of his junkbox. Yes, like Gary, he
>>likes tubes. But, I think he wants his proteges to outlive him.

>... I like to build this type of radio in a wooden box. A metal
>cabinet is tempting fate if your house wiring is polarized wrong.

Or you can "float" the entire circuit and use the metal chassis only
for shielding and safety ground. After all, that's how switching
power supplies work. They rectify the incoming AC directly and
filter it with a pair of big 200 volt electrolytic capacitors in series.
A couple of high power FET's convert the 300 VDC into high-frequency
(50-100 kHz or so) AC which goes through an isolation/stepdown
transformer to the output rectifiers/filters. Although there is
quite a bit of circuitry on the line side of the transformer, they
can still meet all UL/CSA/VDE standards.

QST had a "Stray" a number of years ago about a fellow who built a kilowatt
linear using thirty 1625 tubes in parallel. The filaments were wired in
series/parallel directly to the AC line. The 300V B+ was generated
from a voltage doubler directly from the 117VAC. With 3.3A DC at 300V,
he had 1 kW input power and a 50 ohm output impedance, so no tuning
was required. (Hopefully he did use switched low-pass filters for
each band for harmonic rejection.) I still think it's a neat idea!

By the way, I don't see why you couldn't do something similar using
power FETs. The types used in switching power supplies certainly have
enough voltage rating. Matching the input impedance is the main
challenge.

AL N1AL

Date: 3 Feb 93 12:54:50 GMT
From: utcsri!torn!nott!cunews!freenet.carleton.ca!Freenet.carleton.ca!
aa367@RUTGERS.EDU
Subject: Radio Havana Cuba Listener's Talk Back Machine in Canada 613 592 1401
To: info-hams@ucsd.edu

--

Date: Thu, 4 Feb 1993 19:22:19 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!
zaphod.mps.ohio-state.edu!rpi!rs6305.ecs.rpi.edu!maessm@network.UCSD.EDU
Subject: Some FT-530 Questions...
To: info-hams@ucsd.edu

In article <Feb.2.09.58.03.1993.12307@clam.rutgers.edu>, steuer@clam.rutgers.edu
(Robert Steuer) writes:

|> 2. Does anyone know where to get a coax power plug for the DC-in on
|> top of the radio, it looks really odd-ball but hopefully there is a
|> source besides Yaesu.

I believe this is the same power plug as used in the FT-26. For my FT-26, I
went out and bought a Radio Shack plug that had the proper outside dimension
to fit the jack. The inside diameter of this plug was too small to fit in the
Yaesu's power jack, so I took a small drill bit (sorry, don't remember the size)
and drilled out the hole in the center of the plug. Works great now.

--

Mat Maessen N2NJZ | maessm@rpi.edu

----- | -----
The opinions expressed in this message definitely do NOT reflect the
views of RPI, Roland Schmitt, or BAPP

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Date: 4 Feb 93 17:49:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscribe
To: info-hams@ucsd.edu

Please put me on the mailing list. Can you send the claimed scores for the recent

CQWW 160 CW Test??? Thanks. Mail to allyn@tc
Call sign W7XR, John Allyn.

Date: 4 Feb 93 17:47:45 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscribe info-hams
To: info-hams@ucsd.edu

Please put me on the mailing list. Can you send me the claimed scores for the
CQ160 test last weekend??? Thanks
Call sign W7XR, John Allyn
mail to allyn@tc

Date: 4 Feb 93 17:54:30 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscription
To: info-hams@ucsd.edu

Please put me on the mailing list for bulletins, et al. Can you send me info on
the recent 160M CQWW CW Test...Any claimed scores yet???
Please mail to allyn@tc.fluke.com
Call sign W7XR, John Allyn
Thanks...

Date: Thu, 4 Feb 1993 14:05:39 GMT
From: concert!gatech!darwin.sura.net!haven.umd.edu!wam.umd.edu!ham@decwrl.dec.com
Subject: U.S. QSLing
To: info-hams@ucsd.edu

I am curious as to the QSL habits of internet users, hoping they are
indicative of the general ham population. Just as a curiosity, I would
like to find out how we hams feel about QSLs.

- 1) What is your current license class?
- 2) How long have you been operating HF?
- 3) Do you have preprinted QSLs?
- 4) Do you enjoy collecting QSLs?

Section 1 - US QSOs

- 5) # HF QSO's per year?
 - 5a) % CW

- 5b) % phone
- 6) Do you routinely initiate QSLing?
- 7) Will you answer a QSL card without an SASE?
 - 7a) With an SASE?
- 8) Will you answer a contest QSL without SASE?
 - 8a) With an SASE?

Section 2 - DX QSOs

- 9) # DX QSO's per year?
 - 9a) % CW
 - 9b) % phone
- 10) DX reachable thru Buro (Europe, Japan, etc.):
 - 10a) Would you QSL direct, if asked?
 - 10b) Would you QSL via the Buro, if asked?
- 11) Rarer DX, with direct QSL routes:
 - 11a) Would you QSL direct?
 - 11b) Average cost per QSL?
- 12) Do you use the DX Buro?
 - 12a) Number of cards sent through buro per year?
 - 12b) Average delay in receiving cards thru buro (from QSO date)?

Thanks for answering these short questions - I'm looking for just very simple responses, like simple numbers (although explanations OK), and remember that I'm just doing this for the heck of it. Will post the results, if people want to see them...

Thanks in advance,

Scott NF3I

Date: Thu, 4 Feb 1993 15:42:53 GMT
From: gondor.sdsu.edu!sol.ctr.columbia.edu!usc!sdd.hp.com!hpscit.sc.hp.com!
cupnews0.cup.hp.com!genem@network.UCSD.EDU
Subject: What will 'X'Ah batteries really provide?
To: info-hams@ucsd.edu

I am trying to locate an article I read (QST?, 73?, WorldRadio?) within the last year or so which gave a small tutorial on battery ratings and how to predict operating time given you knew the requirements of your rig and the amp-hour rating of your battery.

We've got in a discussion here as to whether or not, say, a 1Ah battery would provide a continuous amp for an hour. This article explained why this wouldn't be the case.

Does anyone know where I can find info on this? I couldn't find anything in the ARRL handbook.

Many thanks,
Gene

--

```
+-----+
|Gene Marshall          \-\\-\\          email: genem@cup.hp.com |
|Hewlett Packard Co., MS 42UN          |          Tel: 408/447-5282 | |
|Software Technology Division          |          Fax: 408/447-5039 |
|11000 Wolfe Road          |          AA6IY@N6LDL.CA.USA.NA |
|Cupertino, CA 95014          /||          Bay Area: 147.39+ / 223.96- |
+-----+
```

Date: Thu, 4 Feb 1993 15:26:32 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!cbnewsm!jeffj@ames.arpa
To: info-hams@ucsd.edu

References <1kmnpgINNmpk@west.West.Sun.COM>,
<1993Feb4.010546.12345@samba.oit.unc.edu>,
<1993Feb4.140647.6454@odin.corp.sgi.com>cbn
Subject : Re: Proposition

In article <1993Feb4.140647.6454@odin.corp.sgi.com> adams@chuck.dallas.sgi.com
(Charles Adams) writes:

>In article <1993Feb4.010546.12345@samba.oit.unc.edu>,
Kirk.Smith@launchpad.unc.edu (Kirk Smith) writes:

>
>in the same line, how about dividing all the bands, except the WARC bands,
>into three EQUAL segments for CW, DIGITAL, and PHONE. One class amateur
>license and certificates for each mode of operation. that you can do what
>you wanna do and ignore the rest. admit it gang, it's an appliance operators
>world out there..... ;-) we're all outnumbered and counting.

A equal digital portion? Why waste that much bandwidth? Don't hear much activity there unlike the CW portion which is usually jammed. 8-)

73!

Jeff

--

```
Jeff Jones AB6MB          | Nickel Back: What you get when you ask free
jeffj@seeker.mystic.com   |          agents to give you a million
Infolinc BBS 415-778-5929 |          dollars worth of effort.
```

Date: 4 Feb 93 14:06:47 GMT

From: gondor.sdsu.edu!newshub.sdsu.edu!usc!howland.reston.ans.net!spool.mu.edu!
olivea!sgigate!odin!chuck.dallas.sgi.com!adams@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C1txLI.ErH@boi.hp.com>, <1kmnpgINNmpk@west.West.Sun.COM>,
<1993Feb4.010546.12345@samba.oit.unc.edu>giga
Subject : Re: Proposition

In article <1993Feb4.010546.12345@samba.oit.unc.edu>, Kirk.Smith@launchpad.unc.edu
(Kirk Smith) writes:

|> My biggest gripe with the current license structure:

|>

|> No code Tech's should be given access to some Novice CW only bands.

|> Where else are they supposed to practice the code? 2m? I have had the

|> 2m CW stuff in my scanner for quite some time and have heard NOTHING.

|> It just makes good sense to give n-coders a place to practice their code.

|>

|> -ks

|> KD6RCT

|>

|> --

|> The opinions expressed are not necessarily those of the University of

|> North Carolina at Chapel Hill, the Campus Office for Information

|> Technology, or the Experimental Bulletin Board Service.

|> internet: laUNCHpad.unc.edu or 152.2.22.80

IMHO opinion as a cw bigot, i think that all hams should be given CW access
to all freqs on all bands up 75KHz or so from the lower band edge. hey,
if an individual is willing to take the time to practice on his/her ability
to send/receive cw, then more power to them. the rigs are cheap and everybody
in the world will tell them if they have a bad signal, etc. i think we call
it peer pressure or something like that..... ;-) the FCC still monitors,
don't they?

then when the individual upgrades they can move down to the lower freqs
where all the action is on CW..... the faster you go, the lower you can go!

in the same line, how about dividing all the bands, except the WARC bands,
into three EQUAL segments for CW, DIGITAL, and PHONE. One class amateur
license and certificates for each mode of operation. that you can do what
you wanna do and ignore the rest. admit it gang, it's an appliance operators
world out there..... ;-) we're all outnumbered and counting.

73 es hv a gud day gl es bcnu de k5fo dit dit CP-60

Date: Thu, 4 Feb 93 02:34:37 GMT
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!n9ljx@purdue.edu
To: info-hams@ucsd.edu

References <C1txLI.ErH@boi.hp.com>, <1kmnpgINNmpk@west.West.Sun.COM>,
<1993Feb4.010546.12345@samba.oit.unc.edu>u
Subject : Re: Proposition

In article <1993Feb4.010546.12345@samba.oit.unc.edu> Kirk.Smith@launchpad.unc.edu
(Kirk Smith) writes:

>My biggest gripe with the current license structure:

>

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>Where else are they supposed to practice the code? 2m? I have had the

>2m CW stuff in my scanner for quite some time and have heard NOTHING.

>It just makes good sense to give n-coders a place to practice their code.

>

>-ks

>KD6RCT

>

Uh Gee....How about they practice where the novice do. At home with a key and
tone ocsialtor!! UNfortunately you cannot have HF privlidges without showing
CW proficiency.

--sas

--

Scott Stambaugh - N9LJX internet: n9ljx@ecn.purdue.edu
Operations Supervisor, ADPC phone: 317 494 7946
Purdue University
West Lafayette, IN 47907-1061

Date: Thu, 4 Feb 1993 19:30:19 GMT
From: sgi!odin!chuck.dallas.sgi.com!adams@ames.arpa
To: info-hams@ucsd.edu

References <fred-mckenzie-030293174515@k4dii.ksc.nasa.gov>,
<1993Feb3.205329.23882@news.ysu.edu>, <1993Feb4.170657.4183@news.ysu.edu>
Subject : Re: QRP Mobile

re key/keyer for mobile. the best that i've found, and i haven't really
spent a lot of time or money doing this, is the old heathkit micromatic

keyer. it had key pad for setting functions, etc. and had paddles using touch, i.e. capacitive sensitive, with no movement. the keyers are heavy enough to keep from slipping around on the seat.

also, if the band(s) goes dead you can have it generate code groups at any speed you want..... ;-)

73 de k5fo chuck

End of Info-Hams Digest V93 #169
